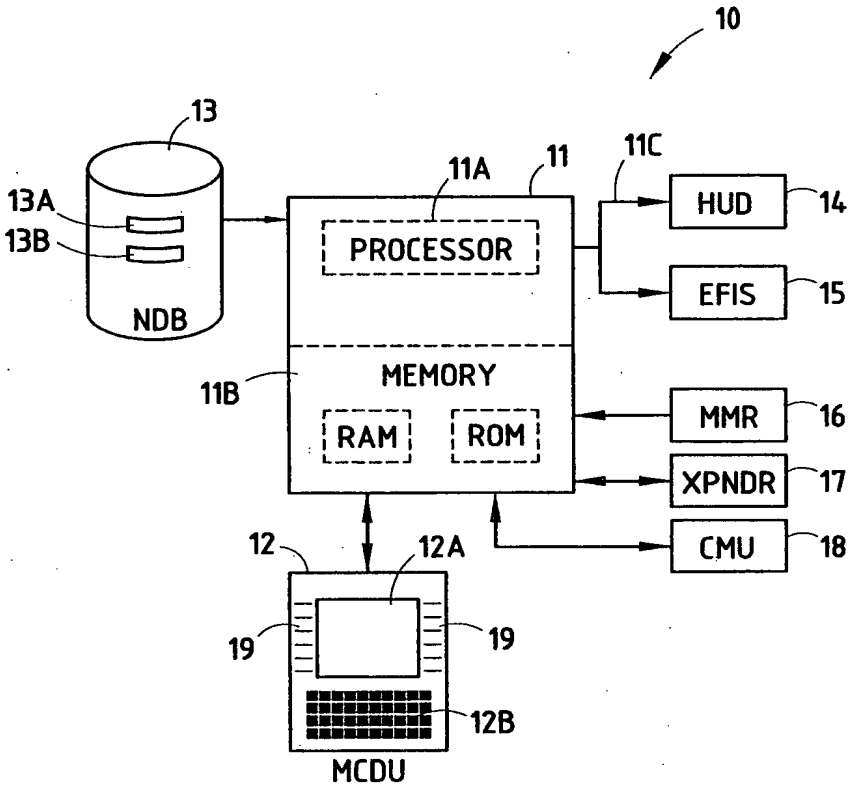

FIG. 1

WORD #	SSM	DATA	RANGE	RESOLUTION	LABEL
1	01	LATITUDE POINT 1	20 BITS	.00017 DEG	
2	00	LONGITUDE POINT 1	20 BITS	.00017 DEG	100 FOR
3	00	LATITUDE POINT 2	20 BITS	.00017 DEG	ACT TAXI
4	00	LONGITUDE POINT 2	20 BITS	.00017 DEG	PATH
5	11	CONIC SUBTENDED ANGLE	12 BITS	.0439 DEG	300 FOR
6	11	CONIC RADIUS	15 BITS	.0078125 nm	MOD TAXI
7	11	CONIC INITIAL ANGLE	12 BITS	.0439 DEG	PATH
10	00	LATITUDE POINT 3	20 BITS	.00017 DEG	040 FOR
11	00	LONGITUDE POINT 3	20 BITS	.00017 DEG	TAXIWAY
•	•	•			300 FOR
N	00	LATITUDE POINT 1	20 BITS	.00017 DEG	RUNWAY
N + 1	10	LONGITUDE POINT 1	20 BITS	.00017 DEG	

FIG. 2

WORD #	SSM	DATA	RANGE	RESOLUTION	LABEL
1	01	LATITUDE	20 BITS	.00017 DEG	104 FOR RUNWAY IDENT
2	00	LONGITUDE	20 BITS	.00017 DEG	004 FOR RUNWAY IDENT
3	00	TEXT (3 ASCII)	7 BITS EACH	—	
4	10	TEXT (3 ASCII)	7 BITS EACH	—	

FIG. 3

1. Δ Lat = (Lat - Ref Lat) ×Earth Radius
2. ΔLon = (Lon - Ref Lon)×Cos ((Lat + RefLat)/2)
3. Course = Arctan (ΔLon/ΔLat)
4. Distance = Sqrt(ΔLat^2+ΔLon^2)
5. Scale = Distance×10
6. New Lat = Ref Lat + Scale×Cos(Course)/Earth Radius
7. New Lon = Ref Lon + Scale×Sin (Course)/
   (Earth Radius×Cos ((Ref Lat + New Lat)/2)

FIG. 4

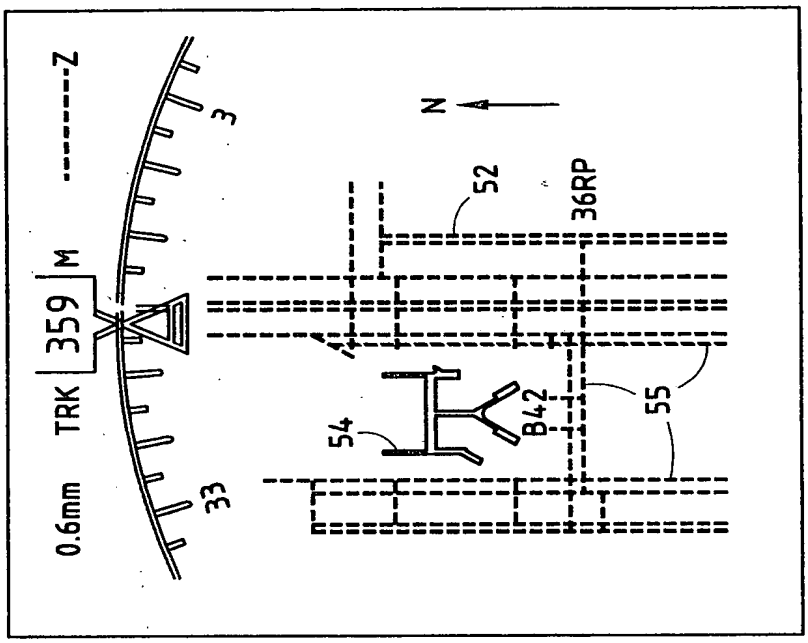

FIG. 6

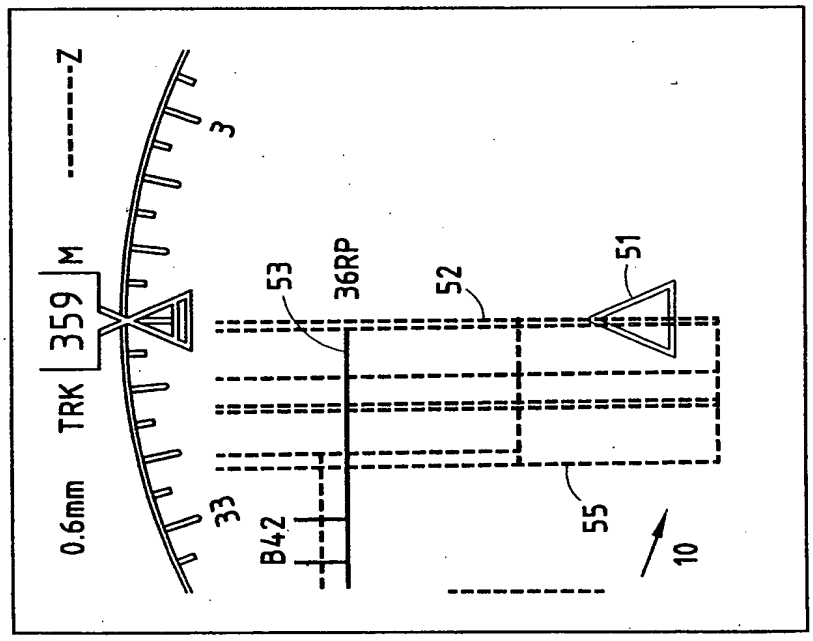

FIG. 5